

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		(control\$3 proces\$4)	US-PGPUB; USPAT	OR	ON	2010/12/27 12:23
		(control\$3 process\$3)	US-PGPUB; USPAT	OR	ON	2010/12/27 12:20
L1	1	"10599649"	US-PGPUB; USPAT	OR	OFF	2011/01/13 11:24
L2	1	"10599649"	US-PGPUB; USPAT	OR	ON	2011/01/13 11:24
S1	0	"2004053211"	US-PGPUB; USPAT	OR	ON	2010/12/23 10:55
S2	4	("20020127144"   "20040053211"   "20040209351"   "4055799").PN.	US-PGPUB; USPAT	OR	ON	2010/12/23 10:56
S3	2	"20040053211"	US-PGPUB; USPAT	OR	ON	2010/12/27 11:10
S4	7506	trap with signal	US-PGPUB; USPAT	OR	ON	2010/12/27 11:10
S5	0	S3 and S4	US-PGPUB; USPAT	OR	ON	2010/12/27 11:10
S6	14435	trap same signal	US-PGPUB; USPAT	OR	ON	2010/12/27 11:10
S7	0	S3 and S6	US-PGPUB; USPAT	OR	ON	2010/12/27 11:10
S8	4420	trap with frequency	US-PGPUB; USPAT	OR	ON	2010/12/27 11:19
S9	2	S3 and S8	US-PGPUB; USPAT	OR	ON	2010/12/27 11:19
S10	35096	(measur\$3 determin\$3 detect\$3 identify\$3 investigat\$3) same (cell particle) same (liquid solution) and (electrode sensor sens\$3) and (trap\$4 cag\$3)	US-PGPUB; USPAT	OR	ON	2010/12/27 12:15
S11	1237	324/ 71.1.ccls.	US-PGPUB; USPAT	OR	ON	2010/12/27 12:15
S12	31	S10 and S11	US-PGPUB; USPAT	OR	ON	2010/12/27 12:16

S13	16352	measur\$3 adj2 electrode	US-PGPUB; USPAT	OR	ON	2010/12/27 12:16
S14	520	S10 and S13	US-PGPUB; USPAT	OR	ON	2010/12/27 12:17
S15	1016866	current and voltage	US-PGPUB; USPAT	OR	ON	2010/12/27 12:17
S16	354	S14 and S15	US-PGPUB; USPAT	OR	ON	2010/12/27 12:17
S17	2035	impedance adj2 spectroscopy	US-PGPUB; USPAT	OR	ON	2010/12/27 12:18
S18	684	impedance adj2 tomography	US-PGPUB; USPAT	OR	ON	2010/12/27 12:18
S19	53	S17 and S18	US-PGPUB; USPAT	OR	ON	2010/12/27 12:18
S20	2	S16 and S19	US-PGPUB; USPAT	OR	ON	2010/12/27 12:18
S21	1	coster-hans.in.	US-PGPUB; USPAT	OR	ON	2010/12/27 12:31
S22	0	chilcott-terry.in.	US-PGPUB; USPAT	OR	ON	2010/12/27 12:31
S23	5	lupke-stefan.in.	US-PGPUB; USPAT	OR	ON	2010/12/27 12:31
S24	53	muller-torsten.in.	US-PGPUB; USPAT	OR	ON	2010/12/27 12:32
S25	35096	(measur\$3 determin\$3 detect\$3 identify\$3 investigat\$3) same (cell particle) same (liquid solution) and (electrode sensor sens\$3) and (trap\$4 cag\$3)	US-PGPUB; USPAT	OR	ON	2010/12/27 12:32
S26	22	S25 and S24	US-PGPUB; USPAT	OR	ON	2010/12/27 12:32
S27	35	schnelle-thomas.in.	US-PGPUB; USPAT	OR	ON	2010/12/27 12:35
S28	7753	435/ 4.ccls.	US-PGPUB; USPAT	OR	ON	2010/12/27 12:36
S29	612	S25 and S28	US-PGPUB; USPAT	OR	ON	2010/12/27 12:36
S30	1016866	current and voltage	US-PGPUB; USPAT	OR	ON	2010/12/27 12:36
S31	188	S30 and S29	US-PGPUB; USPAT	OR	ON	2010/12/27 12:36
S32	2035	impedance adj2 spectroscopy	US-PGPUB; USPAT	OR	ON	2010/12/27 12:37
S33	1	S32 and S31	US-PGPUB; USPAT	OR	ON	2010/12/27 12:37

S34	1	"10599649"	US-PGPUB; USPAT	OR	ON	2010/12/27 15:54
S35	2	"20040053211"	US-PGPUB; USPAT	OR	ON	2011/01/11 13:14
S36	393	324/457.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/11 13:46
S37	174	324/452.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/11 13:46
S38	111	324/453.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/11 13:46
S39	808	600/345.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/11 13:47
S40	621	73/53.01.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/11 13:47
S41	575	73/861.08	US-PGPUB; USPAT	OR	ON	2011/01/11 13:47
S42	33884	(detect\$3 measur\$3 monitor\$3 investigat\$3) adj2 electrode	US-PGPUB; USPAT	OR	ON	2011/01/11 13:47
S43	9	((trap\$4 hold\$3 secur \$3) adj2 element) and (cage adj2 (electrode sensor))	US-PGPUB; USPAT	OR	ON	2011/01/11 13:49
S44	286313	(detect\$3 measur\$3 monitor\$3 investigat\$3) adj2 (sensor electrode)	US-PGPUB; USPAT	OR	ON	2011/01/11 13:49
S45	5	S43 and S44	US-PGPUB; USPAT	OR	ON	2011/01/11 13:49
S46	1933	(cage trap\$4) adj2 electrode	US-PGPUB; USPAT	OR	ON	2011/01/11 13:52
S47	306	S44 and S46	US-PGPUB; USPAT	OR	ON	2011/01/11 13:53
S48	0	S36 and S47	US-PGPUB; USPAT	OR	ON	2011/01/11 13:53
S49	0	S37 and S47	US-PGPUB; USPAT	OR	ON	2011/01/11 13:53
S50	0	S38 and S47	US-PGPUB; USPAT	OR	ON	2011/01/11 13:53
S51	0	S39 and S47	US-PGPUB; USPAT	OR	ON	2011/01/11 13:53
S52	0	S40 and S47	US-PGPUB; USPAT	OR	ON	2011/01/11 13:53
S53	0	S41 and S47	US-PGPUB; USPAT	OR	ON	2011/01/11 13:53
S54	465755	(measur\$3 detect\$3 investigat\$3) with (particle cell)	US-PGPUB; USPAT	OR	ON	2011/01/11 13:55

S55	158	S40 and S54	US-PGPUB; USPAT	OR	ON	2011/01/11 13:55
S56	4	S55 and (measur\$3 adj2 electrode)	US-PGPUB; USPAT	OR	ON	2011/01/11 13:55
S57	2	S56 and cage	US-PGPUB; USPAT	OR	ON	2011/01/11 13:56
S58	1	"5589047".pn.	US-PGPUB; USPAT	OR	ON	2011/01/11 13:59
S59	10692	(measuring detecting investigating) adj2 electrode	US-PGPUB; USPAT	OR	ON	2011/01/11 14:04
S60	668	trapping adj2 element	US-PGPUB; USPAT	OR	ON	2011/01/11 14:05
S61	9	S59 and S60	US-PGPUB; USPAT	OR	ON	2011/01/11 14:05
S62	245	cage adj2 electrode	US-PGPUB; USPAT	OR	ON	2011/01/11 14:05
S63	1	S61 and S62	US-PGPUB; USPAT	OR	ON	2011/01/11 14:05
S64	35	schnelle-thomas.in.	US-PGPUB; USPAT	OR	ON	2011/01/11 14:07
S65	13	S64 and (cage adj2 electrode)	US-PGPUB; USPAT	OR	ON	2011/01/11 14:08
S66	49	(US-20060275907-\$ or US-20070020767-\$ or US-20070040480-\$ or US-20070163883-\$ or US-20080246489-\$ or US-20090008254-\$ or US-20090326408-\$ or US-20100155246-\$). did. or (US-5263374-\$ or US-5568053-\$ or US- 4393710-\$ or US- 4757824-\$ or US- 4775796-\$ or US- 4922182-\$ or US- 4992742-\$ or US- 5005402-\$ or US- 5334351-\$ or US- 5450005-\$ or US- 5691641-\$ or US- 5710376-\$ or US- 5814823-\$ or US- 5857459-\$ or US- 5938126-\$ or US- 5941836-\$ or US- 6130056-\$ or US- 6129686-\$ or US- 6180942-\$ or US- 6433553-\$ or US-	US-PGPUB; USPAT	OR	OFF	2011/01/11 14:43

		6527927-\$ or US- 7105080-\$ or US- 7605520-\$ or US- 7803628-\$ or US- 4303492-\$ or US- 4496202-\$).did. or (US- 4570102-\$ or US- 4781640-\$ or US- 4907498-\$ or US- 4967081-\$ or US- 5239985-\$ or US- 5265603-\$ or US- 5331157-\$ or US- 5948328-\$ or US- 6034883-\$ or US- 6118207-\$ or US- 6215124-\$ or US- 6610188-\$ or US- 4367948-\$ or US- 5581186-\$ or US- 4261660-\$).did.				
S67	9	S66 and (cage adj2 electrode)	US-PGPUB; USPAT	OR	OFF	2011/01/11 14:44
S68	187	cage near electrode	US-PGPUB; USPAT	OR	ON	2011/01/11 14:46
S69	11	S64 and S68	US-PGPUB; USPAT	OR	ON	2011/01/11 14:46
S70	355	cage near2 electrode	US-PGPUB; USPAT	OR	ON	2011/01/11 14:46
S71	19	S64 and S70	US-PGPUB; USPAT	OR	ON	2011/01/11 14:46
S72	6	(measur\$3 adj2 electrode) and (cage adj2 electrode)	US-PGPUB; USPAT	OR	ON	2011/01/11 14:49
S73	11	("4164460"   "4326934"   "4390403"   "5084157"   "6056861"   "6149789").PN. OR ("6610188").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/11 15:12
S74	24186	(determin\$3 monitor\$3 measur\$3 investigat\$3) with (particle cell) with liquid	US-PGPUB; USPAT	OR	ON	2011/01/11 17:29
S75	10672	(measuring detecting) adj2 electrode	US-PGPUB; USPAT	OR	ON	2011/01/11 17:30
S76	327	S74 and S75	US-PGPUB; USPAT	OR	ON	2011/01/11 17:30
S77	1248	324/71.1.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/11 17:31

S78	13	S76 and S77	US-PGPUB; USPAT	OR	ON	2011/01/11 17:31
S79	1	"3944917".pn.	US-PGPUB; USPAT	OR	ON	2011/01/11 18:11
S80	36	("2656508"   "2871446"   "3259842"   "3358223"   "3689833"   "3706030"   "3745455").PN. OR ("3944917").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/11 18:11
S81	1	"6492175".pn.	US-PGPUB; USPAT	OR	ON	2011/01/11 19:22
S82	73187	impedance with frequency	US-PGPUB; USPAT	OR	ON	2011/01/12 11:05
S83	1	"3944917".pn.	US-PGPUB; USPAT	OR	ON	2011/01/12 11:05
S84	1	S83 and S82	US-PGPUB; USPAT	OR	ON	2011/01/12 11:05
S85	1	"3944917".pn.	US-PGPUB; USPAT	OR	ON	2011/01/12 13:33
S86	94	(measuring adj2 electrode) and (impedance adj2 spectroscopy)	US-PGPUB; USPAT	OR	ON	2011/01/12 14:20
S87	1091699	particle	US-PGPUB; USPAT	OR	ON	2011/01/12 14:20
S88	37	S86 and S87	US-PGPUB; USPAT	OR	ON	2011/01/12 14:20
S89	5	S88 and tomography	US-PGPUB; USPAT	OR	ON	2011/01/12 14:20
S90	2	"20040053211"	US-PGPUB; USPAT	OR	ON	2011/01/12 14:22
S91	2991	(measuring adj2 device) with particle	US-PGPUB; USPAT	OR	ON	2011/01/12 14:23
S92	162044	spectroscopy	US-PGPUB; USPAT	OR	ON	2011/01/12 14:23
S93	159	S91 and S92	US-PGPUB; USPAT	OR	ON	2011/01/12 14:23
S94	11	S93 and tomography	US-PGPUB; USPAT	OR	ON	2011/01/12 14:23
S95	54	(impedance adj2 spectroscopy) and (impedance adj2 tomography)	US-PGPUB; USPAT	OR	ON	2011/01/12 14:25

S96	24	(impedance adj2 spectroscopy) same (electrode) same (particle cell) same (substance liquid)	US-PGPUB; USPAT	OR	ON	2011/01/12 14:34
S97	2254	(impedance adj2 spectroscopy)	US-PGPUB; USPAT	OR	ON	2011/01/12 14:39
S98	35357	(measure3 determine3 detect3 identify3 investigate3) same (cell particle) same (liquid solution) and (electrode sensor sense3) and (trap4 cage3)	US-PGPUB; USPAT	OR	ON	2011/01/12 14:39
S99	115	S98 and S97	US-PGPUB; USPAT	OR	ON	2011/01/12 14:39
S100	121681	(measure3 determine3 detect3 identify3 investigate3) same (cell particle) same (liquid solution) and (electrode sensor sense3)	US-PGPUB; USPAT	OR	ON	2011/01/12 14:41
S101	557	S97 and S100	US-PGPUB; USPAT	OR	ON	2011/01/12 14:41
S102	1248	324/71.1.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/12 14:41
S103	3	S101 and S102	US-PGPUB; USPAT	OR	ON	2011/01/12 14:41
S104	1	"6703819".pn.	US-PGPUB; USPAT	OR	ON	2011/01/12 15:33
S105	44	("4940976"   "5454472"   "5569367"   "5569591"   "5571401"   "5580435"   "5653859"   "5680708"   "5683569"   "5694343"   "5814200"   "5858192"   "5888370"   "5965452"   "5993630"   "5993631"   "5993632"   "6010616"   "6017696"   "6084503"   "6093308"   "6099803"   "6113768"   "6129828"   "6149789"   "6169394"   "6224745"   "6225059"   "6287832"   "6294063"   "6426615"   "6437551")	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/12 15:34

	"6466021").PN. OR				
	("6703819").URPN.				

## EAST Search History (Interference)

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**1/ 13/ 2011 12:03:39 PM**

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measuring device for impedance sprectroscopy and associated measuring method.wsp**